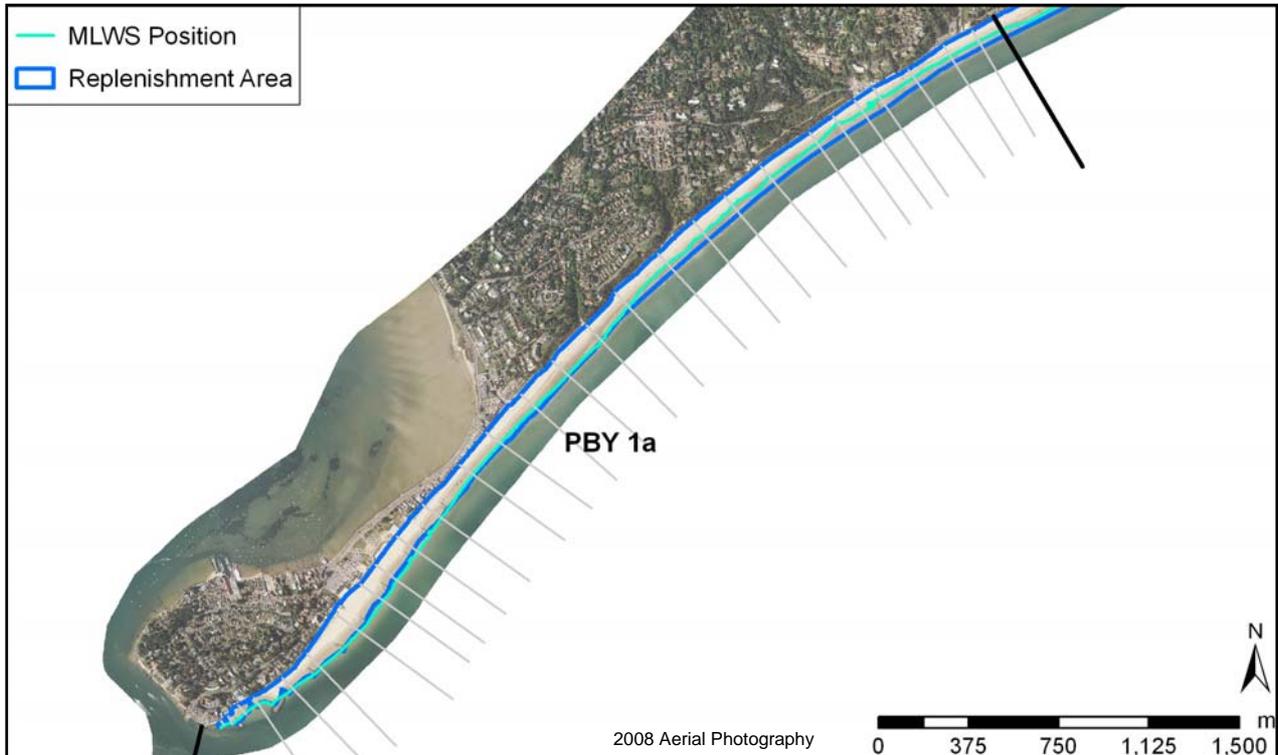


## Policy Unit: 5f PBY1a

### Bournemouth Boundary to Sandbanks Ferry Slipway

Topographic Beach Profiles 5f00477 to 5f00540



### Summary

This policy unit stretches from the Borough of Poole Boundary westwards to Poole Harbour entrance. It includes Sandbanks Peninsula, a low lying sand spit, which is now extensively developed with residential properties. Heading eastwards, the low lying peninsula gives way to steep, sandy cliffs up to 30m in height. The base of these cliffs is protected by a long concrete seawall extending from Shore Road to Southbourne. There is also a small stretch of promenade, approximately 450m in front of the Sandbanks Peninsula. There is an extensive groyne field of rock at Sandbanks and Branksome and timber in the central section.

The entire stretch of this unit has also undergone beach replenishment. In 2003, coastal protection works in Sandbanks included replenishment over 1km length of beach, increasing the width of the beach by an average of 50m. Sand was placed at the western end of Sandbanks to allow for the normal movement of sand from west to east. A second replenishment occurred in December 2005, when 450,000 m<sup>3</sup> of sand was placed on the beach between Shore Road and Branksome Dene Chine.

## Survey Regime

Survey type	Frequency	Profile spacing/survey extent
<i>Topographic baseline</i>	Annual	50 - 100m to MLWS
<i>Topographic interim profile</i>	Spring and Autumn	100m - 200m to MLWS
<i>Bathymetry</i>	Annual	50-60m profiles east of Shore Road, 40m profiles west of Shore Road to 1km offshore
<i>Ortho-photography</i>	5 years	MLW
<i>Non-rectified aerial photography</i>	Annual	MLW
<i>Lidar</i>	3 years	MLW
<i>Habitat mapping</i>	5 Years	Extent of ortho-photography

## Summary of beach operations

Date	Operation	Quantity (m <sup>3</sup> )	Location/Notes
<b>2009</b>			
Nov '08- May '09	Groyne construction	-	5 new rock groyne: Branksome Chine and Branksome Dene Chine, each measuring between 45m-75m in length.
<b>2006</b>			
Dec '05-Jan '06	Replenishment	450,000	Shore Road to Branksome Dene Chine
<b>2003</b>			
March	Replenishment	88,000	Sandbanks
<b>2001</b>			
Spring	Groyne construction	-	4 new rock groynes and alterations to two existing groynes at Sandbanks.
<b>1994</b>			
-	Groyne construction	-	4 additional rock groynes at Sandbanks

*Full details of beach operations can be obtained from Poole Borough Council*